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April 30, 2018

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd Chief Clerk/Administrator Public Service Commission of South Carolina 101 Executive Center Drive, Suite 100 Columbia, South Carolina 29210

Re: Duke Energy Progress, LLC – Monthly Power Plant Performance

Report

Docket No. 2006-224-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is the Monthly Power Plant Performance Report in Docket No. 2006-224-E for the month of March 2018.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803.988.7130.

Sincerely,

Rebecca J. Dulin

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Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff

Mr. Jeffrey M. Nelson, Office of Regulatory Staff

Ms. Shannon Bowyer Hudson, Office of Regulatory Staff

Ms. Nanette Edwards, Office of Regulatory Staff

Mr. Michael Seaman-Huynh, Office of Regulatory Staff

Ms. Heather Shirley Smith, Duke Energy

Mr. Scott Elliott, Elliott & Elliott, P.A.

Mr. Garrett Stone, Brickfield, Burchette, Ritts & Stone, PC

Mr. Gary Walsh, Walsh Consulting, LLC

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Period: March, 2018

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Station	Unit	Date of Outage	Duration of Outage	Scheduled / Unscheduled		Reason Outage Occurred	Remedial Action Taken
Brunswick	1	03/03/2018 - 04/01/2018	695.00	Scheduled	End-of-cycle 22 refueling outage (B1R22)	Scheduled refueling outage	Completed scheduled work
	2	None					Ī
Harris	1	None					
Robinson	2	None					Ť

Lee Energy Complex

No Outages at Baseload Units During the Month.

Richmond County Station

Unit	Duration of Outage	Type of Outage	Cause	of Outage	Reason Outage Occurred	Remedial Action Taken
7	3/17/2018 4:02:00 AM To 3/30/2018 12:14:00 PM	Sch	5272	Gas Turbine - Boroscope Inspection	U7 Outage for boroscope	
7	3/30/2018 5:17:00 PM To 3/31/2018 1:17:00 AM	Sch	8790	Miscellaneous Cems Problems	Out of emissions time.	
8	3/17/2018 4:02:00 AM To 3/30/2018 11:46:00 AM	Sch	5272	Gas Turbine - Boroscope Inspection	U8 / PB4 outage Boroscope	
8	3/30/2018 5:17:00 PM To 3/31/2018 1:42:00 AM	Sch	8790	Miscellaneous Cems Problems	Out of emissions time.	
ST4	3/17/2018 3:48:00 AM To 3/30/2018 4:17:00 PM	Sch	5272	Gas Turbine - Boroscope Inspection	PB4 block outage	
ST4	3/30/2018 4:47:00 PM To 3/31/2018 2:40:00 AM	Sch	8790	Miscellaneous Cems Problems	Out of emissions time.	
9	3/29/2018 2:17:00 AM To 4/1/2018 12:00:00 AM	Sch	5272	Gas Turbine - Boroscope Inspection	PB5 spring outage	
10	3/29/2018 2:17:00 AM To 4/1/2018 12:00:00 AM	Sch	5272	Gas Turbine - Boroscope Inspection	PB5 spring outage	
ST5	3/29/2018 1:59:00 AM To 4/1/2018 12:00:00 AM	Sch	4401	Inspection	ST5 in planned outage for MSCV inspection.	

Sutton Energy Complex

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
ST1	3/16/2018 5:04:00 PM To 3/18/2018 7:41:00 AM	Sch	3110	Condenser Tube Leaks	Condenser Tube Leak	

Notes:

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Duke Energy Progress Base Load Power Plant Performance Review Plan

March 2018 **Brunswick Nuclear Station**

	Unit	1	Unit	2	
(A) MDC (mW)	938		932		
(B) Period Hours	743		743		
(C) Net Gen (mWh) and Capacity Factor (%)	31,367	4.50	696,617	100.60	
(D) Net mWh Not Gen due to Full Schedule Outages	651,910	93.54	0	0.00	
* (E) Net mWh Not Gen due to Partial Scheduled Outages	13,657	1.96	123	0.02	
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00	
* (G) Net mWh Not Gen due to Partial Forced Outages	0	0.00	-4,264	-0.62	
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00	
* (I) Core Conservation	0	0.00	0	0.00	
(J) Net mWh Possible in Period	696,934	100.00%	692,476	100.00%	
(K) Equivalent Availability (%)		5.91		99.98	
(L) Output Factor (%)		69.67		100.60	
(M) Heat Rate (BTU/NkWh)		12,008		10,616	

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March 2018 **Harris Nuclear Station**

	<u>Unit</u>	<u>1</u>
(A) MDC (mW)	932	
(B) Period Hours	743	
(C) Net Gen (mWh) and Capacity Factor (%)	715,370	103.31
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-22,894	-3.31
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	692,476	100.00%
(K) Equivalent Availability (%)		100.00
(L) Output Factor (%)		103.31
(M) Heat Rate (BTU/NkWh)		10,456

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March 2018 **Robinson Nuclear Station**

	<u>Unit</u> 2	2
(A) MDC (mW)	741	
(B) Period Hours	743	
(C) Net Gen (mWh) and Capacity Factor (%)	590,430	107.24
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-39,867	-7.24
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	550,563	100.00%
(K) Equivalent Availability (%)		100.00
(L) Output Factor (%)		107.24
(M) Heat Rate (BTU/NkWh)		10,035

Lee Energy Complex

	Unit 1A	Unit 1B	Unit 1C	Unit ST1	Block Total
(A) MDC (mW)	225	227	228	379	1,059
(B) Period Hrs	743	743	743	743	743
(C) Net Generation (mWh)	129,313	128,435	130,382	247,315	635,445
(D) Capacity Factor (%)	77.35	76.15	76.97	87.83	80.76
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	20,433	21,175	21,547	3,293	66,448
(H) Scheduled Derates: percent of Period Hrs	12.22	12.56	12.72	1.17	8.44
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	788	788
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.28	0.10
(M) Net mWh Not Generated due to Economic Dispatch	17,430	19,051	17,475	30,201	84,156
(N) Economic Dispatch: percent of Period Hrs	10.43	11.30	10.32	10.73	10.70
(O) Net mWh Possible in Period	167,175	168,661	169,404	281,597	786,837
(P) Equivalent Availability (%)	87.78	87.44	87.28	98.55	91.45
(Q) Output Factor (%)	77.43	76.38	77.05	87.83	80.85
(R) Heat Rate (BTU/NkWh)	9,262	9,296	9,194	4,120	7,254

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Richmond County Station

	Unit 7	Unit 8	Unit ST4	Block Total
(A) MDC (mW)	189	189	175	553
(B) Period Hrs	743	743	743	743
(C) Net Generation (mWh)	64,552	64,556	70,934	200,042
(D) Capacity Factor (%)	45.97	45.97	54.55	48.69
(E) Net mWh Not Generated due to Full Scheduled Outages	62,030	62,020	58,514	182,564
(F) Scheduled Outages: percent of Period Hrs	44.17	44.17	45.00	44.43
(G) Net mWh Not Generated due to Partial Scheduled Outages	7,259	7,467	1,226	15,952
(H) Scheduled Derates: percent of Period Hrs	5.17	5.32	0.94	3.88
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	6,586	6,383	0	12,970
(N) Economic Dispatch: percent of Period Hrs	4.69	4.55	0.00	3.16
(O) Net mWh Possible in Period	140,427	140,427	130,025	410,879
(P) Equivalent Availability (%)	50.66	50.52	54.05	51.68
(Q) Output Factor (%)	82.34	82.33	99.19	87.62
(R) Heat Rate (BTU/NkWh)	11,254	11,267	0	7,268

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Richmond County Station

	Unit 9	Unit 10	Unit ST5	Block Total
(A) MDC (mW)	216	216	248	680
(B) Period Hrs	743	743	743	743
(C) Net Generation (mWh)	126,538	125,796	162,632	414,966
(D) Capacity Factor (%)	78.85	78.38	88.26	82.13
(E) Net mWh Not Generated due to Full Scheduled Outages	15,059	15,059	17,364	47,482
(F) Scheduled Outages: percent of Period Hrs	9.38	9.38	9.42	9.40
(G) Net mWh Not Generated due to Partial Scheduled Outages	14,139	13,802	0	27,941
(H) Scheduled Derates: percent of Period Hrs	8.81	8.60	0.00	5.53
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	4,752	5,831	4,268	14,851
(N) Economic Dispatch: percent of Period Hrs	2.96	3.63	2.32	2.94
(O) Net mWh Possible in Period	160,488	160,488	184,264	505,240
(P) Equivalent Availability (%)	81.81	82.02	90.58	85.07
(Q) Output Factor (%)	87.01	86.50	97.44	90.65
(R) Heat Rate (BTU/NkWh)	10,922	10,918	0	6,640

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Sutton Energy Complex

	Unit 1A	Unit 1B	Unit ST1	Block Total
(A) MDC (mW)	224	224	271	719
(B) Period Hrs	743	743	743	743
(C) Net Generation (mWh)	135,606	135,238	150,826	421,670
(D) Capacity Factor (%)	81.48	81.26	74.91	78.93
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	10,465	10,465
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	5.20	1.96
(G) Net mWh Not Generated due to Partial Scheduled Outages	20,061	19,689	1,761	41,511
(H) Scheduled Derates: percent of Period Hrs	12.05	11.83	0.87	7.77
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	10,765	11,505	38,301	60,570
(N) Economic Dispatch: percent of Period Hrs	6.47	6.91	19.02	11.34
(O) Net mWh Possible in Period	166,432	166,432	201,353	534,217
(P) Equivalent Availability (%)	87.95	88.17	93.93	90.27
(Q) Output Factor (%)	81.67	81.51	79.01	80.65
(R) Heat Rate (BTU/NkWh)	11,185	11,112	0	7,161

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress Intermediate Power Plant Performance Review Plan March 2018

Mayo Station

		Unit 1
(A)	MDC (mW)	746
(B)	Period Hrs	743
(C)	Net Generation (mWh)	70,839
(D)	Net mWh Possible in Period	554,278
(E)	Equivalent Availability (%)	99.04
(F)	Output Factor (%)	35.59
(G)	Capacity Factor (%)	12.78

Notes:

Duke Energy Progress Intermediate Power Plant Performance Review Plan March 2018

Roxboro Station

		Unit 2	Unit 3	Unit 4
(A)	MDC (mW)	673	698	711
(B)	Period Hrs	743	743	743
(C)	Net Generation (mWh)	109,238	157,585	-208
(D)	Net mWh Possible in Period	500,039	518,614	528,273
(E)	Equivalent Availability (%)	51.43	100.00	0.00
(F)	Output Factor (%)	57.52	48.18	0.00
(G)	Capacity Factor (%)	21.85	30.39	0.00

Notes:

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Duke Energy Progress Base Load Power Plant Performance Review Plan

April 2017 - March 2018 **Brunswick Nuclear Station**

	Unit	1	Unit	2	
(A) MDC (mW)	938		932		
(B) Period Hours	8760		8760		
(C) Net Gen (mWh) and Capacity Factor (%)	7,408,780	90.17	7,573,495	92.76	
(D) Net mWh Not Gen due to Full Schedule Outages	722,557	8.79	376,668	4.61	
* (E) Net mWh Not Gen due to Partial Scheduled Outages	126,315	1.54	75,765	0.93	
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	33,117	0.41	
* (G) Net mWh Not Gen due to Partial Forced Outages	-40,772	-0.50	105,275	1.29	
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00	
* (I) Core Conservation	0	0.00	0	0.00	
(J) Net mWh Possible in Period	8,216,880	100.00%	8,164,320	100.00%	
(K) Equivalent Availability (%)		90.34		93.12	
(L) Output Factor (%)		98.86		97.67	
(M) Heat Rate (BTU/NkWh)		10,460		10,782	

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April 2017 - March 2018 **Harris Nuclear Station**

	Omt	1	
(A) MDC (mW)	932		
(B) Period Hours	8760		
(C) Net Gen (mWh) and Capacity Factor (%)	8,077,994	99.26	
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	
* (E) Net mWh Not Gen due to Partial Scheduled Outages	98,814	1.21	
(F) Net mWh Not Gen due to Full Forced Outages	146,239	1.80	
* (G) Net mWh Not Gen due to Partial Forced Outages	-185,131	-2.27	
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	
* (I) Core Conservation	0	0.00	
(J) Net mWh Possible in Period	8,137,916	100.00%	
(K) Equivalent Availability (%)		96.70	
(L) Output Factor (%)		101.08	
(M) Heat Rate (BTU/NkWh)		10,582	

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April 2017 - March 2018 **Robinson Nuclear Station**

	Unit	2
(A) MDC (mW)	741	
(B) Period Hours	8760	
(C) Net Gen (mWh) and Capacity Factor (%)	6,606,268	101.77
(D) Net mWh Not Gen due to Full Schedule Outages	128,304	1.98
* (E) Net mWh Not Gen due to Partial Scheduled Outages	18,640	0.29
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-262,052	-4.04
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	6,491,160	100.00%
(K) Equivalent Availability (%)		97.65
(L) Output Factor (%)		103.83
(M) Heat Rate (BTU/NkWh)		10,309

Lee Energy Complex

	Unit 1A	Unit 1B	Unit 1C	Unit ST1	Block Total
(A) MDC (mW)	224	223	224	379	1,050
(B) Period Hrs	8,760	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,484,954	1,453,699	1,517,702	2,885,224	7,341,579
(D) Capacity Factor (%)	75.85	74.34	77.27	86.90	79.82
(E) Net mWh Not Generated due to Full Scheduled Outages	66,413	65,897	42,954	2,495	177,759
(F) Scheduled Outages: percent of Period Hrs	3.39	3.37	2.19	0.08	1.93
(G) Net mWh Not Generated due to Partial Scheduled Outages	264,841	256,974	263,490	123,485	908,790
(H) Scheduled Derates: percent of Period Hrs	13.53	13.14	13.41	3.72	9.88
(I) Net mWh Not Generated due to Full Forced Outages	598	2,913	3,089	48,417	55,017
(J) Forced Outages: percent of Period Hrs	0.03	0.15	0.16	1.46	0.60
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	4,438	4,438
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.13	0.05
(M) Net mWh Not Generated due to Economic Dispatch	140,991	176,031	137,041	255,981	710,045
(N) Economic Dispatch: percent of Period Hrs	7.20	9.00	6.98	7.71	7.72
(O) Net mWh Possible in Period	1,957,798	1,955,515	1,964,275	3,320,040	9,197,628
(P) Equivalent Availability (%)	83.02	83.28	84.18	94.61	87.54
(Q) Output Factor (%)	78.65	78.93	79.38	88.26	82.39
(R) Heat Rate (BTU/NkWh)	9,150	9,177	9,087	4,327	7,247

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Richmond County Station

	Unit 7	Unit 8	Unit ST4	Block Total
(A) MDC (mW)	189	189	175	553
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,219,345	1,203,968	1,374,680	3,797,993
(D) Capacity Factor (%)	73.65	72.72	89.67	78.40
(E) Net mWh Not Generated due to Full Scheduled Outages	159,607	165,447	151,842	476,896
(F) Scheduled Outages: percent of Period Hrs	9.64	9.99	9.90	9.84
(G) Net mWh Not Generated due to Partial Scheduled Outages	164,944	168,074	29,487	362,505
(H) Scheduled Derates: percent of Period Hrs	9.96	10.15	1.92	7.48
(I) Net mWh Not Generated due to Full Forced Outages	403	3,585	747	4,735
(J) Forced Outages: percent of Period Hrs	0.02	0.22	0.05	0.10
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	1,124	1,124
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.07	0.02
(M) Net mWh Not Generated due to Economic Dispatch	111,340	114,566	0	201,027
(N) Economic Dispatch: percent of Period Hrs	6.72	6.92	0.00	4.15
(O) Net mWh Possible in Period	1,655,640	1,655,640	1,533,000	4,844,280
(P) Equivalent Availability (%)	80.37	79.64	88.05	82.55
(Q) Output Factor (%)	81.62	81.18	99.58	87.16
(R) Heat Rate (BTU/NkWh)	11,436	11,241	0	7,235

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Richmond County Station

	Unit 9	Unit 10	Unit ST5	Block Total
(A) MDC (mW)	215	215	248	677
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,413,543	1,437,289	1,903,723	4,754,555
(D) Capacity Factor (%)	75.23	76.49	87.63	80.17
(E) Net mWh Not Generated due to Full Scheduled Outages	170,968	159,805	186,872	517,645
(F) Scheduled Outages: percent of Period Hrs	9.10	8.50	8.60	8.73
(G) Net mWh Not Generated due to Partial Scheduled Outages	187,350	185,321	7,160	379,831
(H) Scheduled Derates: percent of Period Hrs	9.97	9.86	0.33	6.40
(I) Net mWh Not Generated due to Full Forced Outages	17,999	3,667	446	22,112
(J) Forced Outages: percent of Period Hrs	0.96	0.20	0.02	0.37
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	879	879
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.04	0.01
(M) Net mWh Not Generated due to Economic Dispatch	89,098	92,876	73,400	255,374
(N) Economic Dispatch: percent of Period Hrs	4.74	4.94	3.38	4.31
(O) Net mWh Possible in Period	1,878,958	1,878,958	2,172,480	5,930,396
(P) Equivalent Availability (%)	79.94	81.41	91.01	84.48
(Q) Output Factor (%)	83.95	83.85	95.90	88.32
(R) Heat Rate (BTU/NkWh)	11,405	11,352	0	6,822

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Sutton Energy Complex

	Unit 1A	Unit 1B	Unit ST1	Block Total
(A) MDC (mW)	225	225	268	718
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,400,211	1,452,443	1,720,578	4,573,232
(D) Capacity Factor (%)	71.12	73.77	73.29	72.76
(E) Net mWh Not Generated due to Full Scheduled Outages	110,596	66,514	124,821	301,931
(F) Scheduled Outages: percent of Period Hrs	5.62	3.38	5.32	4.80
(G) Net mWh Not Generated due to Partial Scheduled Outages	263,306	260,063	60,836	584,205
(H) Scheduled Derates: percent of Period Hrs	13.37	13.21	2.59	9.29
(I) Net mWh Not Generated due to Full Forced Outages	26,299	32,624	4,922	63,845
(J) Forced Outages: percent of Period Hrs	1.34	1.66	0.21	1.02
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	18,735	18,735
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.80	0.30
(M) Net mWh Not Generated due to Economic Dispatch	168,430	157,197	417,664	743,290
(N) Economic Dispatch: percent of Period Hrs	8.55	7.98	17.79	11.83
(O) Net mWh Possible in Period	1,968,841	1,968,841	2,347,556	6,285,238
(P) Equivalent Availability (%)	79.68	81.77	91.08	84.59
(Q) Output Factor (%)	78.24	78.67	77.80	78.21
(R) Heat Rate (BTU/NkWh)	11,411	11,329	0	7,092

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Mayo Station

Unit	s	Unit 1
(A)	MDC (mW)	746
(B)	Period Hrs	8,760
(C)	Net Generation (mWh)	1,441,969
(D)	Net mWh Possible in Period	6,534,960
(E)	Equivalent Availability (%)	86.01
(F)	Output Factor (%)	49.36
(G)	Capacity Factor (%)	22.07

Notes:

Roxboro Station

Unit	s	Unit 2	Unit 3	Unit 4
(A)	MDC (mW)	673	698	711
(B)	Period Hrs	8,760	8,760	8,760
(C)	Net Generation (mWh)	1,908,224	2,342,686	1,406,706
(D)	Net mWh Possible in Period	5,895,480	6,114,480	6,228,360
(E)	Equivalent Availability (%)	85.99	86.74	49.30
(F)	Output Factor (%)	62.92	57.01	64.67
(G)	Capacity Factor (%)	32.37	38.31	22.59

Notes:

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Duke Energy Progress Outages for 100 mW or Larger Units March, 2018

Full Outage Hours

Unit Name	Capacity Rating (mW)	Scheduled Scheduled	Unscheduled	<u>Total</u>	
Brunswick 1	938	695.00	0.00	695.00	
Brunswick 2	932	0.00	0.00	0.00	
Harris 1	932	0.00	0.00	0.00	
Robinson 2	741	0.00	0.00	0.00	

Duke Energy Progress Outages for 100 mW or Larger Units March 2018

Capacity Rating (mW)	Scheduled		
102	Scheduled	Unscheduled	Total Outag Hours
192	0.00	164.03	164.03
192	0.00	65.18	65.18
185	0.00	0.00	0.00
185	0.00	0.00	0.00
133	102.00	0.00	102.00
133	0.00	0.00	0.00
225	0.00	0.00	0.00
227	0.00	0.00	0.00
228	0.00	0.00	0.00
379	0.00	0.00	0.00
746	0.00	0.00	0.00
189	743.00	0.00	743.00
187	0.00	0.00	0.00
185	0.00	0.00	0.00
186	0.00	3.45	3.45
187	0.00	0.00	0.00
189	328.20	0.00	328.20
189	328.15	0.00	328.15
175	334.37	0.00	334.37
216	69.72	0.00	69.72
216	69.72	0.00	69.72
248	70.02	0.00	70.02
	185 185 133 133 225 227 228 379 746 189 187 185 186 187 189 175 216 216	185 0.00 185 0.00 133 102.00 133 0.00 225 0.00 227 0.00 228 0.00 379 0.00 189 743.00 187 0.00 185 0.00 186 0.00 187 0.00 189 328.20 189 328.15 175 334.37 216 69.72 216 69.72	185 0.00 0.00 185 0.00 0.00 133 102.00 0.00 133 0.00 0.00 225 0.00 0.00 227 0.00 0.00 228 0.00 0.00 379 0.00 0.00 746 0.00 0.00 187 0.00 0.00 185 0.00 0.00 186 0.00 3.45 187 0.00 0.00 189 328.20 0.00 189 328.15 0.00 175 334.37 0.00 216 69.72 0.00 216 69.72 0.00

Notes:

Duke Energy Progress Outages for 100 mW or Larger Units March 2018

Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage
		Scheduled	Unscheduled	Hours
Roxboro Steam 1	380	0.00	0.00	0.00
Roxboro Steam 2	673	360.00	0.00	360.00
Roxboro Steam 3	698	0.00	0.00	0.00
Roxboro Steam 4	711	743.00	0.00	743.00
Sutton Energy Complex CC 1A	224	0.00	0.00	0.00
Sutton Energy Complex CC 1B	224	0.00	0.00	0.00
Sutton Energy Complex CC ST1	271	38.62	0.00	38.62
Wayne County CT 10	192	124.25	22.00	146.25
Wayne County CT 11	192	63.00	0.00	63.00
Wayne County CT 12	193	0.00	22.00	22.00
Wayne County CT 13	191	0.00	23.33	23.33
Wayne County CT 14	195	0.00	22.00	22.00

Notes: